

☐ 5. Document ID: US 5240766 A

Entry 5 of 7

File: USPT

Aug 31, 1993

US-PAT-NO: 5240766

DOCUMENT-IDENTIFIER: US 5240766 A

TITLE: Gasket material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 6. Document ID: US 5173515 A

Entry 6 of 7

File: USPT

Dec 22, 1992

US-PAT-NO: 5173515

DOCUMENT-IDENTIFIER: US 5173515 A

TITLE: Fire retardant foams comprising expandable graphite, amine salts and phosphorous polyols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 7. Document ID: US 5169876 A

Entry 7 of 7

File: USPT

Dec 8, 1992

US-PAT-NO: 5169876

DOCUMENT-IDENTIFIER: US 5169876 A

TITLE: Process for producing a flame-resistant elastic soft polyurethane foam

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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expanded graphite and zinc borate	7

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Entry 1 of 7

File: USPT

Jan 25, 2000

US-PAT-NO: 6017987

DOCUMENT-IDENTIFIER: US 6017987 A

TITLE: Fire-retardant polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☒ 2. Document ID: US 6010763 A

Entry 2 of 7

File: USPT

Jan 4, 2000

US-PAT-NO: 6010763

DOCUMENT-IDENTIFIER: US 6010763 A

TITLE: Fireproofing material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5760115 A

Entry 3 of 7

File: USPT

Jun 2, 1998

US-PAT-NO: 5760115

DOCUMENT-IDENTIFIER: US 5760115 A

TITLE: Fire-retardant polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☒ 4. Document ID: US 5286574 A

Entry 4 of 7

File: USPT

Feb 15, 1994

US-PAT-NO: 5286574

DOCUMENT-IDENTIFIER: US 5286574 A

TITLE: Metal composite gasket material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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US-PAT-NO: 5719199
DOCUMENT-IDENTIFIER: US 5719199 A
TITLE: Flame retardant flexible foam

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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☒ 5. Document ID: US 4945074 A

Entry 5 of 7

File: USPT

Jul 31, 1990

US-PAT-NO: 4945074

DOCUMENT-IDENTIFIER: US 4945074 A

TITLE: Polymeric alkali metal silicate glass

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☒ 6. Document ID: US 4824709 A

Entry 6 of 7

File: USPT

Apr 25, 1989

US-PAT-NO: 4824709

DOCUMENT-IDENTIFIER: US 4824709 A

TITLE: Textile product with backcoating comprising smoke suppressant and/or flame retardant intumescent particles

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☒ 7. Document ID: US 4521333 A

Entry 7 of 7

File: USPT

Jun 4, 1985

US-PAT-NO: 4521333

DOCUMENT-IDENTIFIER: US 4521333 A

TITLE: Intumescent silicates having improved stability

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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Entry 1 of 6

File: USPT

Nov 3, 1998

US-PAT-NO: 5830319

DOCUMENT-IDENTIFIER: US 5830319 A

TITLE: Flexible fire barrier felt

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: US 5502937 A

Entry 2 of 6

File: USPT

Apr 2, 1996

US-PAT-NO: 5502937

DOCUMENT-IDENTIFIER: US 5502937 A

TITLE: Fire protective flexible composite insulating system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5476891 A

Entry 3 of 6

File: USPT

Dec 19, 1995

US-PAT-NO: 5476891

DOCUMENT-IDENTIFIER: US 5476891 A

TITLE: Intumescent composition exhibiting improved long-term expansion and compression properties and method of use

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: US 5175197 A

Entry 4 of 6

File: USPT

Dec 29, 1992

US-PAT-NO: 5175197

DOCUMENT-IDENTIFIER: US 5175197 A

TITLE: Water-based intumescent fire barrier caulk

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 5. Document ID: US 4588523 A

Entry 5 of 6

File: USPT

May 13, 1986

US-PAT-NO: 4588523

DOCUMENT-IDENTIFIER: US 4588523 A

TITLE: Intumescent fire retardant compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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☐ 6. Document ID: US 4273879 A

Entry 6 of 6

File: USPT

Jun 16, 1981

US-PAT-NO: 4273879

DOCUMENT-IDENTIFIER: US 4273879 A

TITLE: Intumescent fire retardant composites

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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intumescent fire retardant and hydrated alkali metal silicate	6

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Entry 1 of 14

File: USPT

Jan 25, 2000

US-PAT-NO: 6017987

DOCUMENT-IDENTIFIER: US 6017987 A

TITLE: ~~Fire-retardant~~ polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 2. Document ID: US 6017633 A

Entry 2 of 14

File: USPT

Jan 25, 2000

US-PAT-NO: 6017633

DOCUMENT-IDENTIFIER: US 6017633 A

TITLE: Flexible graphite composite sheet and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 3. Document ID: US 5985452 A

Entry 3 of 14

File: USPT

Nov 16, 1999

US-PAT-NO: 5985452

DOCUMENT-IDENTIFIER: US 5985452 A

TITLE: Flexible graphite composite sheet and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☒ 4. Document ID: US 5981072 A

Entry 4 of 14

File: USPT

Nov 9, 1999

US-PAT-NO: 5981072

DOCUMENT-IDENTIFIER: US 5981072 A

TITLE: Oxidation and corrosion resistant flexible graphite composite sheet and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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☐ 5. Document ID: US 5968669 A

Entry 5 of 14

File: USPT

Oct 19, 1999

US-PAT-NO: 5968669

DOCUMENT-IDENTIFIER: US 5968669 A

TITLE: Fire retardant intumescent coating for lignocellulosic materials

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☒ 6. Document ID: US 5955386 A

Entry 6 of 14

File: USPT

Sep 21, 1999

US-PAT-NO: 5955386

DOCUMENT-IDENTIFIER: US 5955386 A

TITLE: Fire hydrant thermal and acoustic insulation material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☒ 7. Document ID: US 5952248 A

Entry 7 of 14

File: USPT

Sep 14, 1999

US-PAT-NO: 5952248

DOCUMENT-IDENTIFIER: US 5952248 A

TITLE: Fire retardant thermal and acoustic insulation material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 8. Document ID: US RE36206 E

Entry 8 of 14

File: USPT

May 4, 1999

US-PAT-NO: RE36206

DOCUMENT-IDENTIFIER: US RE36206 E

TITLE: Expandable gasket, sealed joint and method of forming same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 9. Document ID: US 5760115 A

Entry 9 of 14

File: USPT

Jun 2, 1998

US-PAT-NO: 5760115

DOCUMENT-IDENTIFIER: US 5760115 A

TITLE: Fire-retardant polymer composition

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 10. Document ID: US 5719199 A

Entry 10 of 14

File: USPT

Feb 17, 1998

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Entry 1 of 7

File: USPT

Nov 3, 1998

US-PAT-NO: 5830319

DOCUMENT-IDENTIFIER: US 5830319 A

TITLE: Flexible fire barrier felt

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: US 5578671 A

Entry 2 of 7

File: USPT

Nov 26, 1996

US-PAT-NO: 5578671

DOCUMENT-IDENTIFIER: US 5578671 A

TITLE: Intumescent putty

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 5502937 A

Entry 3 of 7

File: USPT

Apr 2, 1996

US-PAT-NO: 5502937

DOCUMENT-IDENTIFIER: US 5502937 A

TITLE: Fire protective flexible composite insulating system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: US 5175197 A

Entry 4 of 7

File: USPT

Dec 29, 1992

US-PAT-NO: 5175197

DOCUMENT-IDENTIFIER: US 5175197 A

TITLE: Water-based intumescent fire barrier caulk

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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Entry 11 of 14

File: USPT

Jul 22, 1997

US-PAT-NO: 5650448

DOCUMENT-IDENTIFIER: US 5650448 A

TITLE: Flame retardant flexible foam

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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☐ 12. Document ID: US 5443894 A

Entry 12 of 14

File: USPT

Aug 22, 1995

US-PAT-NO: 5443894

DOCUMENT-IDENTIFIER: US 5443894 A

TITLE: Fire retardant oriented strand board structure element

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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☐ 13. Document ID: US 5173515 A

Entry 13 of 14

File: USPT

Dec 22, 1992

US-PAT-NO: 5173515

DOCUMENT-IDENTIFIER: US 5173515 A

TITLE: Fire retardant foams comprising expandable graphite, amine salts and phosphorous polyols

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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☐ 14. Document ID: US 4529742 A

Entry 14 of 14

File: USPT

Jul 16, 1985

US-PAT-NO: 4529742

DOCUMENT-IDENTIFIER: US 4529742 A

TITLE: Optionally foamed intumescent masses prepared from polyisocyanates, hydroxyl compounds and melamine phosphates